

Class 9
9-8-2016

Formative Assessment II in MATHEMATICS

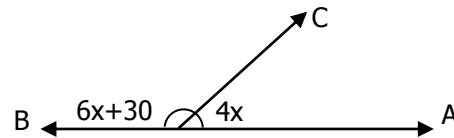
Time : 1 hr.
M. Marks : 20

GENERAL INSTRUCTIONS:

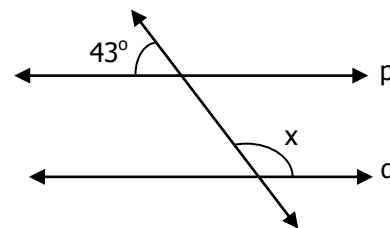
1. Attempt all the questions
2. Section - A consists of 4 questions of 1 mark each.
3. Section - B consists of 5 questions of 2 marks each.
4. Section - C consists of 2 questions of 3 marks each.
5. Section - D consist of 1 question of 4 marks.

Section - A (1x4=4 marks)

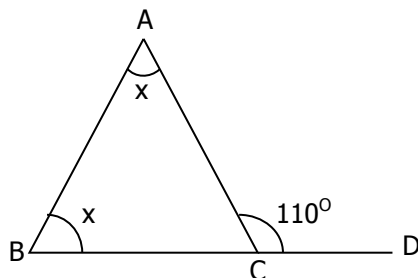
1. The semi perimeter of an equilateral triangle is 27cm, find the sides of a triangle.
2. In fig: for what value of x , AOB is a line.



3. In fig: line p is parallel to line q , find x .



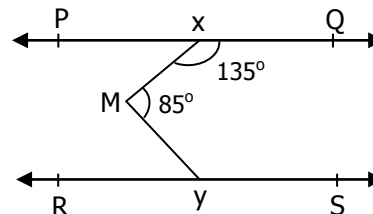
- 4.



In fig: find the value of x .

Section - B (2x3=6 marks)

5. Find the area of a triangle whose sides are 8cm, 15cm and 17cm.
6. In fig: PQ is parallel to RS, $\angle MXQ = 135^\circ$, $\angle XMY = 85^\circ$, find $\angle MYR$.



7. Of the three angles of a triangle, one is twice the smallest and another is three times the smallest. Find the angles.

Section - C (3x2=6 marks)

8. Find the area of a triangle whose sides are in the ratio 12:17:25 and perimeter is 540cm.
9. Prove that the sum of all interior angles of a triangle is 180° .

Section - D (4x1=4 marks)

10. A field is in the shape of a trapezium, whose parallel sides are 60cm and 77 cm, also the lengths of its non parallel sides is 25cm and 26cm. Find the area of the field.

-X-X-X-X-X-X-